

IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

Please REPLACE paragraph 0028 beginning at page 7, with the following paragraph:

[0028] Referring to FIG. 2B, the object blocks a and b are divided into units of 1 byte in the column direction and are divided into units of d bytes in the row direction. As a result, each of the object blocks a and b is divided into d x d partitions, giving a total of 2 x d x d partitions between objects blocks a and b. Following along lines 1-4, which are diagonals, and line d in the lower portion of FIG. 2B, these partitions are 1_1, 1_2, . . . , 1_2 x d, 2_1, 2_2, . . . , 2_2 x d, . . . , d_1, d_2, . . . , and d_2 x d.

Please REPLACE paragraph 0047 beginning at page 9, with the following paragraph:

[0047] First, each of the ECC blocks A and B is divided into object blocks in a unit of 2 rows in a row direction. As a result, a total of eight partitions such as ①, ②, ③, ④, ⑤, ⑥, ⑦, and ⑧, exist in the object blocks a and b. Next, first data is extracted from the partition ①, second data is extracted from the partition ③, third data is extracted from the partition ⑥, and fourth data is extracted from the partition ⑧. Then, fifth data is extracted from the partition ①, sixth data is extracted from the partition ③, seventh data is extracted from the partition ⑥, and eighth data is extracted from the partition ⑧. Thus, as shown in FIG. 2B and FIG. 6, the progression through the partitions is on a diagonal line. In this way, after extracting all data from the partitions ①, ③, ⑥, and ⑧, data is alternately extracted from the partitions ②, ④, ⑤, and ⑦. The above procedure is performed repeatedly in a unit of 2 rows. The recording block generated as a result of performing the above procedure is shown in FIG. 7.